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PATENT  
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February 18, 2003

By Michelle Chan  
Michelle Chan

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

CLAUDIA B. JAFFE

Application No.: 09/696,749

Filed: October 24, 2000

For: PRESSURE INDUCED REAGENT  
INTRODUCTION AND  
ELECTROPHORETIC SEPARATION

Examiner: Jennine Brown

Art Unit: 1743

AMENDMENT AND RESPONSE

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Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

In response to the Office Action mailed November 15, 2002, Applicant respectfully requests reconsideration based upon the following amendments and remarks:

IN THE CLAIMS:

Please replace claims 1, 2, 6, 10-16, 18-19, and 25-28 with the following like numbered claims:

1. (Amended) A microfluidic device, the device comprising:
- (i) a body structure with a plurality of microscale channels disposed therein, the plurality of microscale channels comprising:
- (a) a mixing channel; and,
- (b) a separation channel fluidly coupled to the mixing channel,
- wherein the mixing channel has a first cross-sectional area and the separation channel has a second cross-sectional area, which first cross-sectional area is larger than the second cross-sectional area;